

SEQUENCE LISTING

(1) GENERAL INFORMATION:

(i) APPLICANT:

(A) NAME: INRA (INSTITUT NATIONAL DE
LA RECHERCHE AGRONOMIQUE)
(B) STREET: 147 RUE DE L'UNIVERSITE
(C) CITY: PARIS
(E) COUNTRY: FRANCE
(F) POSTAL CODE: 75007

(ii) TITLE OF THE INVENTION: Microspore-specific
promoter and method for producing hybrid plants

(iii) NUMBER OF SEQUENCES: 3

(iv) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: PatentIn Release #1.0, Version
#1.30 (EPO)

(2) INFORMATION FOR SEQ ID NO: 1:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 497 base pairs
(B) TYPE: nucleotide
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(ix) FEATURE:

(A) NAME/KEY: M3

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

TTTGGATCTT TCCATGACCC CTTCTTGACC GGCTATGTCA AGCTACATTG CTCCACCGTT	60
GTTGGATCTA CTTCACTCC TCCTTCACAG GCTCCTTAC ATGCTCCTTC TTCACAGGCT	120
CCTTCACATG CTCCTTCACA TGCTCCTTCA CAGGCTCCTT TAAATGCTCT TTAAATGCT	180
CCTTTACATG CTCCTTTACA TGCTCCTTCA CAGGCCCTT CACAGGCCCC TTCACAGGCC	240
CCTTTACATG CTCCTTTACT GCCCCCTTCG CAGGCTCCTT CACCGGCTCA GTGATTAGC	300
TATTTGATAG AATTACTCAA GTAATGATGC CCTAGGGAGT TTGAGTTTTT CTCGTGTTTT	360

AAAGTTTTGT GITTATTTTG AGAAAACCGT CTTTGGATTT TAACTTCACT TTGATTTTTT	420
CCCTTATACA ATTTAAATTT AGAGTTTACT TATTAATTTT ATAAATTAGA TGGTACTAAG	480
TTTTTATCAT AATAAAA	497

(2) INFORMATION FOR SEQ ID NO: 2:

- (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 674 base pairs
 (B) TYPE: nucleotide
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

- (ix) FEATURE:
 (A) NAME/KEY: M3.21

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

TCTTGCTATG ATTTTCTTCA TAAGATGTGT CACATCCAAA GTCACAGCAA CAGAACTAGA	60
GTCATCAACT AACCAAGAGC TCTTCCTATC GCGGCACTTG CCTCGCTTTC ACCCCAAGCC	120
ACATTGGCCG TTCTGTGGCT CCGGAAAAGC CTTCCCTGCA GGCCACTTCC GACCAACTCC	180
GTTCCATCTG CCACAGGAAG TCACCAGATG CTTGTCCGAC AAGAAGGAGG TAGGTACATG	240
TTTTGATGAT ATCGTTGAGA CTTTCTTCAC CAGGAAAGCC GTTATTGGAT CGGAATGTTG	300
CGCCGCGATC AAGAAGATGA ACAAAGATTG TGAGAAGACC GTCTTTGGAT CTTTCCATGA	360
CCCCTTCTTG ACAGGCTATG TCAAATACA TTGCTCCACC GTTGTGGAT CTACTTCACC	420
TCCTCCTTCA CATGCTCCTT CACAGGCTCC TTTACATGCT CCTTCACAGG CTCCTTTACA	480
TGCCCCTTCA CAGGCTCCTT TACTGCCCCC TTCACAGCCT CTCCCACCGG CTCAGTGATT	540
TTAGCTATTT GTTAGAATTA TTCAAGTGTT GATGTCCTAG GGAGTTTITAG GTTTTTCTTG	600
TTTTAAAATT TTGTGTTTAT TTTGAGAAAA CCGTCTTTGG ATCTTAACTT CACTTTGATT	660
TTTTCCTTAT ACAA	674

(2) INFORMATION FOR SEQ ID NO: 3:

- (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 2853 base pairs
 (B) TYPE: nucleotide
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(ix) FEATURE:
(A) NAME/KEY: BnM3.4

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

GGATCCCACA AAGAAAACCG AAGAAGCAAA TGTTTCCTAC CTTCATAAAT ATATATTTGT	60
TTCAGCCTCA TCAATGTACA AACAACTCCT TAGCTCAATG GTATAAATGT TGTGTTTAG	120
ATTTCAATAA CCCGGGTTTCG AGTCATAGAC TTGACACTTT TTCACACTTT TTAAGAGTGG	180
AACGCACATA TCGCTGACGT GTCGCATCAG GAGTGATGCA ACTGCTCTAT TATAATGTAG	240
ATTTAAAGT GGAACCCACG TATCGCTGAC GTGTCGCATC AGGAGTGATG CAACTGCCAT	300
ATTATAACGT AGATTGACG TTATTCCTTT TTAAATCTTA ATAATAATAC CAGNGCTTTT	360
ACTTATTAAT TTTNGCATN GTTATCATGG TTTATGCNCT CTTTTTTTTT GANCCGTTGA	420
TTGGTTTATG CTTATTTGAA TGTNGCCNAC GTAAGAAATG AAGAACAATT TATATTTGGA	480
GAAATATAA TTTAATATGT TCAATATATA GAGAAATAT TATNCCTTGA TGTTACTGTA	540
TGGATGCGAG TAGAAGATCT TTGAATAATA TTTGAGAACT TGCCTTTTCT CAAAAAGTAA	600
AATATTTGAT ATGTAACCTA AGTTAACACA TGAAATTA AAAAAATTA AATCAAAATA	660
GAAAAAAGTG ATAGTGATCT ACCCTTCAAC GTTTTGAAC TATTCTTGGT TCACCCCTA	720
AACCTCTAAG TTCACCAAAC AATAAAATTT CATTATTGCA TATTCTATAT CTTTAGAAA	780
GTGAAACAAA ATATTATCAA GTTATATTAT GTTTTTCAAA TAAAAGATA AAAATAAAT	840
AAAAAATAAT AGTAGTTACA AAAAAAAAAA ATTAATATTT TTACCAGCGT CANAAAACAC	900
TAAAACCTAA ACCCTAAATA TAAACTTTT AGGTAAACCC TAAACCTTG GATAAATCTT	960
AAACATTAAA CATTAAACA CTAAACCCTA AATCCTAAAC TCTAAACCCT TAAGTGTTA	1020
AATGTTTAGT GTTTTGATT TATAGTTTAG GATTATCCA AAGGTTTAAG GTTTACCCAA	1080
GAGTTTATGG TTTAGGGATT ATGACTTAGG ATTTAGTGTT TTAGTGACGA CGTTCAAAGT	1140
ATTTTTTAA AAATATTTT TTTGTAACAA CTACTATTTT TATTTATTTT TTTACCTTTT	1200
TATATTAAA ACATAATATA ATTTAATACT CCATCTGTTT CATATTAAGT GTCATTGTAA	1260

CATTATTTTT TTGTTACAAA AAAATTGTCA CTTTAGAATT CCAATGCAAA ATTTATTTAT	1320
TTTTTCAGCTA AAATTAATTG CAAAGTGCAT TGATCTTATA AATAATTTTA TTTATCTCAA	1380
ATGCTATATT GGTCAAACAT GTGTAATTAA TAGAACTTA ATTATATTTT ATTTATTTTT	1440
TCTTAATCTG TGTA AAAATG TCAAAGTAAA ATTTATTTAG AAACGAATTG AGTAATATTT	1500
TGTTTCATTT TTTAAAAGAT ATCGAATATG AAATAACACA ATTTTATTGT ATGATGAACC	1560
TAAAAATTCA TCCTAAGAAG GTGAACGCAA GAATAAGTCA ACGTTTTGGG GAAAGCTAAC	1620
TATGGCCCAA AGTCATCAA ATCTTTCTTG TATTTATCAA AATCCTTACA AATTTAGTTA	1680
GAGTTAATAG ACCAAACACA TGATTATCAT CATATTAGAA TATTCTAAAA AATTACTAGC	1740
GAATAATTAA AATCTTTCTT TTATTTATCA AAATCCTTAT AAAAATTAT TTATATATAC	1800
TAAACAATT TTAATTAAAA GAAATAAGG GACCATGGAT ACATAAAAAT ATATGTTATT	1860
TCTTAAGATA GTGATAATAT TAATATATAC CAGTCCATAT ATTTATCAA ATAAATAATA	1920
TTTTTCGTAG TCCGATAATC ATTACTATAA ATTCATAAAA CCACATGTAG ATGTATATTT	1980
TATTTATATA TATATATATA AACCCTAACG CCTTACCACT CGATAACCAT CAAAACTTTT	2040
CTTCTCGTT CGCTAACTCA AGGCTTCGAA AAGTAAAAAA AACAATGAAG AATGTCACAC	2100
TTGTTCTTGC TATGATCCTC TTCTTAAGCT GTGTCACATC CAAAGTTACA GCAACAGAAC	2160
TAGAGTCATC AACTAACCBA GAGCTCTTCC TATCGCGGCA CTTACCTCGC TTTCACCCCA	2220
AGCAACATTG GCGGTTCCGT GGCTCCGGAA AAGCCTTCCC TGCAGGCCAC TTCCGACTAA	2280
CTCCGTTCCA TCTGCCACAG GAAGTCACCA GATGCTTGAA CGACAAGAAG GAGGTAGGTA	2340
CATGTTTTAA TGATATCGCT GAGACTTTCT TCACCAGGAA AGCCGCTATT GGATCGGAAT	2400
GTTGCGCCGC GATCAAGAAG ATGAACAAAG ATTGTGAGAA GACCGTCTTT GGATCTTTCC	2460
ATGACCCCTT CTTGACCGGC TATGTCAAGC TACATTGCTC CACCGTTGTT GGATCTACTT	2520
CACCTCCTCC TTCACAGGCT CCTTTACATG CTCCTTCTTC ACAGGCTCCT TCACATGCTC	2580
CTTCACATGC TCCTTCACAG GCTCCTTTAA ATGCTCCTTT AAATGCTCCT TTACATGCTC	2640
CTTTACATGC TCCTTCACAG GCCCCTTCAC AGGCCCTTC ACAGGCCCTT TTACATGCTC	2700
CTTTACTGCC CCCTTCGCAG GCTCCTTCAC CGGCTCAGTG ATTTAGCTAT TTGATAGAAT	2760
TATTCAAGTA TTGATGTCCT AGGGAGTTTT AGTTTTTTTC TTGTTTTAAA ATTTTGTGTT	2820
TATTTTGAGA AAACCGTCTT TGGATTTTAA CTT	2853